

Stamp: OIPE JUL 06 2004

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 10/619,638 |
| Filing Date | July 15, 2003 |
| First Named Inventor | Chuen-Der Lien |
| Group Art Unit | 2818 |
| Examiner Name | |
| Attorney Docket Number | 5646-91IP |

| | | | |
|-------|----|----|----|
| Sheet | E1 | of | E1 |
|-------|----|----|----|

| U.S. PATENTS AND PATENT PUBLICATIONS | | | | | |
|--------------------------------------|----------|----------------------|-------------------------|--|--|
| Examiner Initials* | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY |
| | | Number | Kind Code (if known) | | |
| HY | 1. | US-6,741,253 | B1 | Radke et al. | 05-25-2004 |
| | 2. | US-6,728,124 | B1 | Ichiriu et al. | 04-27-2004 |
| | 3. | US-6,707,693 | B1 | Ichiriu et al. | 03-16-2004 |
| | 4. | US-6,700,827 | B2 | Lien et al. | 03-02-2004 |
| | 5. | US-6,564,754 | B1 | Lien et al. | 05-13-2003 |
| | 6. | US-6,560,156 | B2 | Lien et al. | 05-06-2003 |
| | 7. | US-6,430,073 | B1 | Batson et al. | 08-06-2002 |
| | 8. | US-6,421,265 | B1 | Lien et al. | 07-16-2002 |
| | 9. | US-6,137,707 | | Srinivasan et al. | 10-24-2000 |
| | 10. | US-5,796,758 | | Levitan | 08-18-1998 |
| | 11. | US-5,796,671 | | Wahlstrom | 08-18-1998 |
| | 12. | US-5,724,296 | | Jang | 03-03-1998 |
| | 13. | US-5,642,320 | | Jang | 06-24-1997 |
| | 14. | US-5,572,460 | | Lien | 11-05-1996 |
| | 15. | US-5,561,429 | | Halberstam et al. | 10-01-1996 |
| | 16. | US-5,455,834 | | Chang et al. | 10-03-1995 |
| | 17. | US-5,319,589 | | Yamagata et al. | 06-07-1994 |
| | 18. | US-5,184,325 | | Lipovski | 02-02-1993 |
| | 19. | US-4,991,136 | | Mihara | 02-05-1991 |
| | 20. | US-4,791,606 | | Threewitt et al. | 12-13-1988 |
| HY | 21. | US-4,779,226 | | Haraszti | 10-18-1988 |
| | 22. | US-3,665,422 | | McCoy et al. | 05-23-1972 |

[illegible][illegible]

Hyman Hyman
considered whether or not citati

8/19/04





*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18



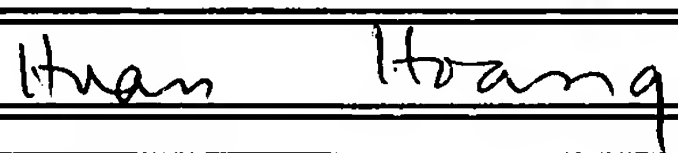

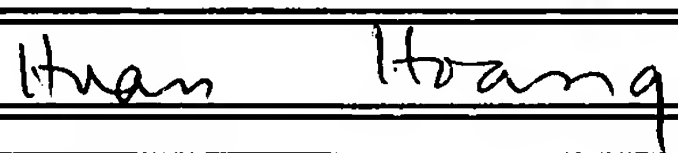

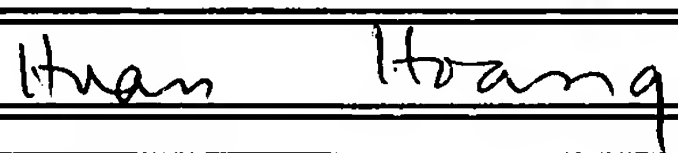
Stylesheet Version v18.0

| | | | | | | | |
|--|---|------------|------------|-------------------|------|-------|----------|
| Title of Invention | Content Addressable Memory (CAM) Devices Having Error Detection and Correction Control Circuits Therein and Methods of Operating Same | | | | | | |
| <div>Application Number: 10/619638 </div> <div>Confirmation Number: 1228</div> <div>First Named Applicant: Chuen-Der Lien</div> <div>Attorney Docket Number: 5646-91IP</div> <div>Art Unit: 2818</div> <div>Search string: (6700810 or 6690595, or</div> | | | | | | | |
| US Patent Documents | | | | | | | |
| Note: Applicant is not required to submit a paper copy of cited US Patent Documents | | | | | | | |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|  | 1 | 6700810 | 2004-03-02 | Ichiriu et al. | B1 | 365 | 49 |
|  | 2 | 6690595 | 2004-02-10 | Srinivasan et al. | B1 | 365 | 49 |
|  | 3 | 6618281 | 2003-09-09 | Gordon | B1 | 365 | 49 |
| Signature | | | | | | | |
| Examiner Name | | | | Date | | | |
| Huan Hoang | | | | 8/19/04 | | | |



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

| Title of Invention | Content Addressable Memory (CAM) Devices Having Error Detection and Correction Control Circuits Therein and Methods of Operating Same | | | | | | | | | | | | | | | | | | | | |
|--|---|------------|------------|----------------|------|----------|----------|-------|----------|---|---|---------|------------|----------------|----|-----|----|---------------|------|---|---------|
| <p>Application Number: 10/619638 </p> <p>Confirmation Number: 1228</p> <p>First Named Applicant: Chuen-</p> <p>Attorney Docket Number: 5646-91IP</p> <p>Art Unit: 2818</p> <p>Search string: (6597595).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>6597595</td><td>2003-07-22</td><td>Ichiriu et al.</td><td>B1</td><td>365</td><td>49</td></tr></tbody></table> <p>Signature</p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td>8/19/04</td></tr></tbody></table> | | init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |  | 1 | 6597595 | 2003-07-22 | Ichiriu et al. | B1 | 365 | 49 | Examiner Name | Date |  | 8/19/04 |
| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass | | | | | | | | | | | | | | |
|  | 1 | 6597595 | 2003-07-22 | Ichiriu et al. | B1 | 365 | 49 | | | | | | | | | | | | | | |
| Examiner Name | Date | | | | | | | | | | | | | | | | | | | | |
|  | 8/19/04 | | | | | | | | | | | | | | | | | | | | |

| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary) | | | | Attorney Docket Number 5646-91IP | | Serial No. To Be Assigned | |
|---|--------------------|-----------|----------|-------------------------------------|----------|----------------------------------|--|
| | | | | Applicants: Chuen-Der Lien et al. | | | |
| | | | | Filing Date: Concurrently Herewith | | Group | |
| U. S. PATENTS & PATENT APPLICATION PUBLICATIONS | | | | | | | |
| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate | |
| HW | 1 | 3,665,422 | 5/1972 | McCoy et al. | 365 | 222 | |
| | 2 | 5,642,320 | 6/1997 | Jang | 365 | 222 | |
| | 3 | 5,796,671 | 8/1998 | Wahlstrom | 365 | 230.03 | |
| | 4 | 4,779,226 | 10/1988 | Haraszti | / | / | |
| | 5 | 4,791,606 | 12/1988 | Threewitt et al. | / | / | |
| | 6 | 5,184,325 | 2/1993 | Lipovski | 365 | 222 | |
| | 7 | 5,561,429 | 10/1996 | Halberstam et al. | / | / | |
| | 8 | 5,572,460 | 11/1996 | Lien | | | |
| | 9 | 5,642,320 | 6/1997 | Jang | | | |
| | 10 | 5,724,296 | 3/1998 | Jang | | | |
| | 11 | 5,796,671 | 8/1998 | Wahlstrom | / | / | |
| | 12 | 6,421,265 | 7/2002 | Lien et al. | 365 | 49 | |
| | 13 | 6,563,754 | 5-13-03 | Lien et al. | 365 | 222 | |
| | 14 | 6,560,156 | 5-6-03 | Lien et al. | 365 | 222 | |
| | 15 | 6,542,391 | 4-1-03 | Pereira et al. | 365 | 49 | |
| | 16 | 6,538,911 | 3-25-03 | Allan et al. | 365 | 49 | |
| | 17 | 6,434,033 | 08/13/02 | Chien | / | / | |
| | 18 | 6,430,073 | 8-6-02 | Batson et al. | 365 | 49 | |
| | 19 | 6,408,417 | 06/18/02 | Moudgal et al. | / | / | |
| | 20 | 6,397,290 | 05/28/02 | Williams et al. | | | |
| | 21 | 6,381,191 | 04/30/02 | Ooishi | | | |
| | 22 | 6,374,325 | 04/16/02 | Simpson et al. | / | / | |
| | 23 | 6,324,087 | 11-27-01 | Pereira | 365 | 49 | |
| | 24 | 6,289,471 | 09/11/01 | Gordon | | | |
| | 25 | 6,233,717 | 05/15/01 | Choi | | | |
| HW | 26 | 6,219,815 | 04/17/01 | DesJardins et al. | / | / | |

 EXAMINER
 *EXAMINER

Ituan Hran

DATE CONSIDERED

8/19/04

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | | | |
|--|----|--|-----------|------------------------|--|-----|--|
| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary) | | | | | Attorney Docket Number 5646-91IP | | Serial No. To Be Assigned |
| | | | | | Applicants: Chuen-Der Lien et al. | | |
| | | | | | Filing Date: Concurrently Herewith | | Group |
| 148 | 27 | 6,216,246 | 04/10/01 | Shau | | | |
| | 28 | 6,188,629 | 02/13/01 | Kaplinsky | | | |
| | 29 | 6,151,247 | 11/21/00 | Estakhri et al. | | | |
| | 30 | 6,134,631 | 10/17/00 | Jennings, III | | | |
| | 31 | 6,067,656 | 5-23-00 | Rusu et al. | 714 | 768 | |
| | 32 | 6,058,500 | 05/02/00 | DesJardins et al. | | | |
| | 33 | 6,032,214 | 02/29/00 | Farmwald et al. | | | |
| | 34 | 6,009,548 | 12/28/99 | Chen et al. | | | |
| | 35 | 5,761,222 | 06/02/98 | Baldi | | | |
| | 36 | 5,727,003 | 03/10/98 | Zook | | | |
| | 37 | 5,699,369 | 12/16/97 | Guha | | | |
| | 38 | 5,682,394 | 10/28/97 | Blake et al. | | | |
| | 39 | 5,644,583 | 07/01/97 | Garcia et al. | | | |
| | 40 | 5,629,950 | 05/13/97 | Godiwala et al. | | | |
| | 41 | 5,604,753 | 02/18/97 | Bauer et al. | | | |
| | 42 | 5,570,377 | 10/29/96 | Merino Gonzalez et al. | | | |
| | 43 | 5,469,450 | 11/21/95 | Cho et al. | | | |
| | 44 | 5,450,424 | 09/12/95 | Okugaki et al. | | | |
| | 45 | 5,233,614 | 08/03/93 | Singh | | | |
| | 46 | 5,127,014 | 06/30/92 | Raynham | | | |
| | 47 | 4,958,352 | 09/18/90 | Noguchi et al. | | | |
| | 48 | 4,903,268 | 02/20/90 | Hidaka et al. | | | |
| | 49 | 2003/0081464 | 5-1-03 | Vlasenko | 365 | 200 | |
| | 50 | 2003/0074630 | 4-17-03 | Batson et al. | 714 | 805 | |
| | 51 | 2003/0007408 | 01/09/003 | Lien et al. | 365 | 222 | |
| | 52 | 2002/0159320 | 10/31/02 | Lien et al. | | | |
| 148 | 53 | 2002/0067632 | 06/06/02 | Batson et al. | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| 148 | 54 | Halsall, Fred, "Data Communications, Computer Networks and OSI," Second Edition, 11 pages, No Date | | | | | |

 EXAMINER
 *EXAMINER

Chuan Hwang

DATE CONSIDERED

8/19/04

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|---|----|---|---------------------------------|
| FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary) | | Attorney Docket Number 5646-91IP | Serial No. To Be Assigned |
| | | | |
| | | Applicants: Chuen-Der Lien et al. | |
| | | Filing Date: Concurrently Herewith | Group |
| <i>HH</i> | 55 | Fourouzan, Behrouz, "Introduction to Telecommunications and Networking," Chapter 8, pp. 194-226, No Date | |
| <i>HH</i> | 56 | Kalter et al., "A 50-ns 16-Mb DRAM with a 10-ns Data Rate and On-Chip ECC," IEEE Journal of Solid-State Circuits, Vol. 25, No. 5, October 1990, pp. 1118-1127 | |

 EXAMINER
 *EXAMINER

Huan Huan

DATE CONSIDERED

8/19/04

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
5646-911P

Serial No.
10/619,638

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Chuen-Der Lien et al.

Filing Date: July 15, 2003

Group
2818

U. S. PATENTS & PATENT APPLICATION PUBLICATIONS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|------------------|-----|-----------------|----------|-------------------|-------|----------|----------------------------|
| HK | 1. | 6,597,595 | 07/22/03 | Ichiriu et al. | 365 | 49 | |
| | 2. | 6,362,990 | 03/26/02 | Gibson et al. | 365 | 49 | |
| | 3. | 6,243,281 | 06/05/01 | Pereira | 365 | 49 | |
| | 4. | 6,199,140 | 03/06/01 | Srinivasan et al. | 711 | 108 | |
| | 5. | 6,154,384 | 11/28/00 | Nataraj et al. | 365 | 49 | |
| | 6. | 5,872,802 | 02/16/99 | Knaack et al. | 371 | 49.1 | |
| | 7. | 5,491,703 | 02/13/96 | Barnaby et al. | 371 | 40.1 | |
| | 8. | 4,747,080 | 05/24/88 | Yamada | 365 | 200 | |
| | 9. | 4,112,502 | 09/05/78 | Scheuneman | 364 | 900 | |
| HK | 10. | 2002/0075714 | 06/20/02 | Pereira et al. | 365 | 49 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|-----|---|
| HK | 11. | SiberCore Technologies, Soft Error in TCAMS: Causes and Cures, July 2003, 5 pages |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

EXAMINER
*EXAMINER

Huan Huan

DATE CONSIDERED

8/19/04

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.